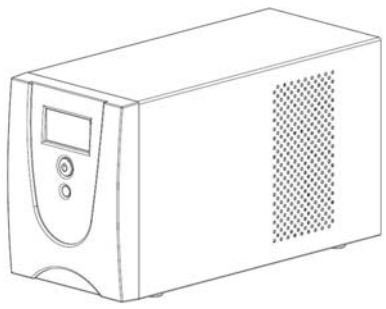
CyberPower®
Reliability. Quality. Value.



Value 1200E-GP/1500E-GP/2200E-GP
User's Manual

K01-0000142-01

IMPORTANT SAFETY INSTRUCTIONS

This manual contains important instructions that should be followed during installation and maintenance of the UPS and batteries. Please read and follow all instructions carefully during installation and operation of the unit. Read this manual thoroughly before attempting to unpack, install, or operate.
CAUTION! The UPS must be connected to a grounded AC power outlet with fuse or circuit breaker protection. **DO NOT** plug the UPS into an outlet that is not grounded. If you need to de-energize this equipment, turn off and unplug the UPS.
CAUTION! DO NOT USE FOR MEDICAL OR LIFE SUPPORT EQUIPMENT! CyberPower Systems does not sell products for life support or medical applications. **DO NOT** use in any circumstance that would affect the operation or safety of any life support equipment, with any medical applications, or patient care.
CAUTION! The battery can energize hazardous live parts inside even when the AC input power is disconnected.
CAUTION! To prevent the risk of fire or electric shock, install in a temperature and humidity controlled indoor area, free of conductive contaminants. (Please see specifications for acceptable temperature and humidity range).
CAUTION! To reduce the risk of electric shock, do not remove the cover, except to service the battery. There are no user serviceable parts inside, except for the battery.
CAUTION! To avoid electrical shock, turn off the unit and unplug it from the AC power source before servicing the battery or installing a computer component.
CAUTION! DO NOT USE WITH OR NEAR AQUARIUMS! To reduce the risk of fire, do not use with or near aquariums. Condensation from the aquarium can come in contact with metal electrical contacts and cause the machine to short out.

INSTALLING YOUR UPS SYSTEM

UNPACKING

The box should contain the following:
(1) UPS Unit x 1; (2) IEC Output Power Cord x 2; (3) IEC to AU Input Power Cord x 1; (4) IEC to AU Adapter Cable x 2; (5) USB Cable x 1; (6) Phone Cable x 1 (7) User Manual x 1; (8) Management Software Disk x 1

OVERVIEW

The Value 1200E-GP/1500E-GP/2200E-GP provides automatic voltage regulation for inconsistent utility power. The Value 1200E-GP/1500E-GP/2200E-GP features 910 Joules of surge protection, and provides battery backup during power outages. The Value 1200E-GP/1500E-GP/2200E-GP ensures consistent power to your computer system and its included software will automatically save your open files and shut down your computer system during a utility power loss.

HOW TO DETERMINE THE POWER REQUIREMENTS OF YOUR EQUIPMENT

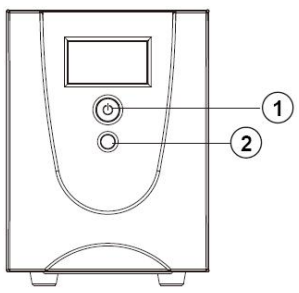
1. Ensure that the equipment plugged into the battery power-supplied/surge outlets does not exceed the UPS unit's rated capacity (1200VA/720W for Value 1200E-GP, 1500VA/900W for Value 1500E -GP, 2200VA/1320W for Value 2200E-GP). If the rated unit capacities are exceeded, an overload condition may occur and cause the UPS unit to shut down or the fuse blow.
2. There are many factors that can affect the amount of power that your computer system will require. For optimal system performance keep the load below 80% of the unit's rated capacity.

HARDWARE INSTALLATION GUIDE

1. Your new UPS may be used immediately upon receipt. However, recharging the battery for at least 8 hours is recommended to ensure that the battery's maximum charge capacity is achieved. Charge loss may occur during shipping and storage. To recharge the battery, simply leave the unit plugged into an AC outlet. The unit will charge in both the on and off position.
2. With the UPS unit off and unplugged, connect the computer, monitor, and any externally powered data storage device (Zip drive, Jazz drive, Tape drive, etc. into the battery power supplied outlets. **DO NOT plug a laser printer, copier, space heater, vacuum, paper shredder or other large electrical device into the battery power supplied outlets. The power demands of these devices will overload and possibly damage the unit.**
3. To protect a fax, telephone, modem line or network, connect a telephone cable or network cable from the wall jack outlet to the IN jack of the UPS. Then connect a telephone cable or network cable from the OUT jack on the UPS to the modem, computer, telephone, fax machine, or network device.
4. Plug the UPS into a 2 pole, 3 wire grounded receptacle (wall outlet). Make sure the wall branch outlet is protected by a fuse or circuit breaker and does not service equipment with large electrical demands (e.g. air conditioner, refrigerator, copier, etc. Avoid using extension cords.
5. Depress the power switch to turn the unit on. The power on indicator light will illuminate and the unit will "beep".
6. If an overload is detected, an audible alarm will sound and the unit will emit one long beep. To correct this, turn the UPS off and unplug at least one piece of equipment from the battery power supplied outlets. Wait 10 seconds. Make sure the circuit breaker is depressed and then turn the UPS on.
7. To maintain optimal battery charge, leave the UPS plugged into an AC outlet at all times.
8. To store your UPS for an extended period, cover it and store with the battery fully charged. Recharge the battery every three months to ensure battery life.

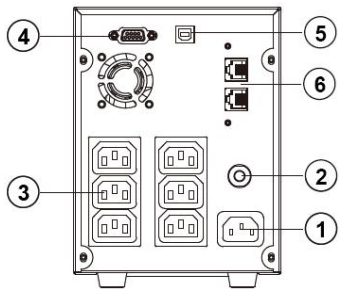
BASIC OPERATION

FRONT PANEL DESCRIPTION

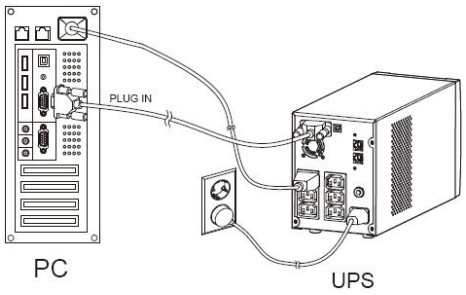


1 Power On/Off Switch
Press the power switch to turn the UPS ON or OFF.
2 LCD Function Selected Switch
Press the LCD function selected switch to know the UPS status.

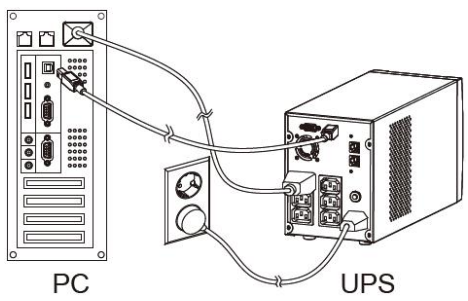
REAR PANEL DESCRIPTION



1 AC Inlet
Connect to utility power through the input power cord.
2 Input Circuit Breaker
The Circuit Breaker provides optimal overload protection.
3 AC outlet
The UPS provides 6 outlets for connected equipment to insure temporary uninterrupted operation during a power failure and against surges and spikes.
4 Serial Port to PC
This port allows connection and communication from the DB9 serial on the computer to the UPS unit. The UPS communicates its status to the **PowerPanel® Personal Edition** software.



5 USB Port to PC
This port allows connection and communication from the USB port on the computer to the UPS unit. The UPS communicates its status to the **PowerPanel® Personal Edition** software.



NOTE: Only one of these two ports can be used as communication and control of the UPS unit at one time.

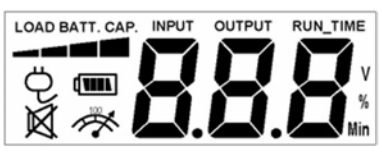
6 Communication Protection Ports RJ11/RJ45
Communication protection ports will protect any standard modem, fax, telephone line, or network cable.

TECHNICAL SPECIFICATIONS

Model	Value 1200E-GP	Value 1500E-GP	Value 2200E-GP
Capacity (VA)	1200	1500	2200
Capacity (Watts)	720	900	1320
Input			
Input Voltage Range	160-265Vac		
Frequency Range	47~63Hz (Auto Sensing)		
AVR	Boost @ 200V		
Output			
On Battery Output Voltage	Simulated Sine Wave at 230Vac +/-10%		
On Battery Output Frequency	50/60Hz +/-1%		
Transfer Time	4ms Typical		
Overload Protection	On Utility: Circuit Breaker & Internal Current Limiting On Battery: Internal Current Limiting		
Surge Protection			
Lightning / Surge Protection	Yes		
Operating Temperature	0°C to 40°C		
Operating Relative Humidity	0 to 90% non-condensing		
Physical			
Total # of UPS outlets	(6) IEC 320 C13		
Maximum Dimensions(LxWxH)	326x140x180mm		
Weight (kg)	12.7	14.0	15.1
Batterie			
Sealed Maintenance Free Lead Acid Battery	12V / 7Ah x2	12V / 8.5Ah x2	12V / 9Ah x2
Typical Recharge Time	8 hours		
User Replaceable	Yes		
Status Indicators			
Indicators	Power On / Using Battery		
Audible Alarms	On Battery, Low Battery, Overload		
Communication			
PowerPanel® Personal Edition Software	Windows 7/Vista/XP/2000/Server 2003, Linux		
Management			
Auto-Charger	Yes		
Auto-Restart	Yes		
USB	Yes		

DEFINITIONS FOR ILLUMINATED LCD INDICATORS

LCD INDICATION



Line mode

Select SW Press	UPS Status Display				Capacity Display		Digital Value Display				
					Load Cap.	Battery Cap.	Input Voltage	Output Voltage	Run Time	% of Load	% of Batt.
Initial	V	X	--	X	V	X		V			
1st	V	X	--	X	V	X			V		
2nd	V	X	--	X	V	X				V	
3rd	V	X	--	X	X	V					V
4th	V	X	--	X	V	X	V				
5th(Return)	V	X	--	X	V	X		V			
Press >3sec (Sound Disable)	V	X	V	X	--	--	--	--	--	--	--
Press >3sec again (Sound Enable)	V	X	X	X	--	--	--	--	--	--	--
(Overload)	V	X	--	V	--	--	--	--	--	--	--

"V" : Illuminated, "X" : Not Illuminated, "--" : Either

Battery mode

Select SW Press	UPS Status Display				Capacity Display		Digital Value Display				
					Load Cap.	Battery Cap.	Input Voltage	Output Voltage	Run Time	% of Load	% of Batt.
Initial	X	V	--	X	X	V		V			
1st	X	V	--	X	X	V			V		
2nd	X	V	--	X	V	X				V	
3rd	X	V	--	X	X	V					V
4th	X	V	--	X	X	V	V				
5th(Return)	X	V	--	X	X	V		V			
Press >3sec (Sound Disable)	X	V	V	X	--	--	--	--	--	--	--
Press >3sec again (Sound Enable)	X	V	X	X	--	--	--	--	--	--	--
(Overload)	X	V	--	V	--	--	--	--	--	--	--

"V" : Illuminated, "X" : Not Illuminated, "--" : Either

CYBERPOWER GREENPOWER UPS™ TECHNOLOGY

CyberPower's Green Commitment

CyberPower is dedicated to the development of green products, and has adopted Green practices throughout its business, including: membership in Climate Savers Computing Initiative (CSCI), accordance with the Restriction on Hazardous Substances (RoHS), Waste Electrical and Electronic Equipment (WEEE) protocols, as well as ISO 14001 and IECQ QC080000. CyberPower pledges to provide the advanced energy solution for the environment and become a leading eco-friendly organization in the UPS industry.

Reduce Energy Cost with GreenPower UPS™ Technology

CyberPower's goal is not only to provide eco-friendly products but also to bring the best value for consumers. The advanced energy-saving design improves the operating efficiency and eliminates waste energy consumption. As a result, consumers will enjoy significant energy cost savings with the adoption of **GreenPower UPS™** technology.

TROUBLESHOOTING

Problem	Possible Cause	Solution
The UPS does not perform expected runtime.	Battery not fully charged.	Recharge the battery by leaving the UPS plugged in.
	Battery is slightly worn out.	Contact CyberPower Systems about replacement batteries at service@cpsww.com.au
The UPS will not turn on.	The on/off switch is designed to prevent damage by rapidly turning it off and on.	Turn the UPS off. Wait 10 seconds and then turn the UPS on.
	The unit is not connected to an AC outlet.	The unit must be connected to a 220-240V 50/60Hz outlet.
	The battery is worn out.	Contact CyberPower Systems about replacement batteries at service@cpsww.com.au
	Mechanical problem.	Contact CyberPower Systems at service@cpsww.com.au
Outlets do not provide power to equipment.	Circuit breaker has tripped due to an overload.	Turn the UPS off and unplug at least one piece of equipment. Wait 10 seconds, reset the circuit breaker by depressing the button, and then turn the UPS on.
	Batteries are discharged.	Allow the unit to recharge for at least 4 hours.
	Unit has been damaged by a surge or spike.	Contact CyberPower Systems at service@cpsww.com.au
PowerPanel® Personal Edition is inactive.	The serial/USB cable is not connected.	Connect the serial/USB cable to the UPS unit and an open serial port on the back of the computer. You must use the cable that came with the unit.
	The unit is not providing battery power.	Shutdown your computer and turn the UPS off. Wait 10 seconds and turn the UPS back on. This should reset the unit.

For more information, visit www.cpsww.com.au or contact
CyberPower Systems Australia
E-MAIL: service@cpsww.com.au

Entire contents copyright ©2010 CyberPower Systems B.V., All rights reserved. Reproduction in whole or in part without permission is prohibited. PowerPanel® and PowerPanel® Plus are trademarks of CyberPower Systems (USA) Inc.